L Number	Hits	Search Text	DB	Time stamp
1	59	BGA and (lead adj frame) and wire and (lead adj fingers) and @ad<20020801	USPAT; US-PGPUB	2004/05/24 14:30
2	28	(BGA and (lead adj frame) and wire and (lead adj fingers) and @ad<20020801) and (computer or camcorder or camara or (celll adj phone))	USPAT; US-PGPUB	2004/05/24 14:30
3	28	((BGA and (lead adj frame) and wire and (lead adj fingers) and @ad<20020801) and (computer or camcorder or camara or (celll adj phone))) and @ad<20030801	USPAT; US-PGPUB	2004/05/24 14:34
4	658	(lead adj frame) and wire and (lead adj fingers) and die and @ad<20020801	USPAT; US-PGPUB	2004/05/24 14:34
5	305	(lead adj frame) and wire and (lead adj fingers) and die and (ball or bump) and @ad<20020801	USPAT; US-PGPUB	2004/05/24 14:30
6	101	((lead adj frame) and wire and (lead adj fingers) and die and (ball or bump) and @ad<20020801) and (computer or camcorder or camara or (celll adj phone))	USPAT; US-PGPUB	2004/05/24 14:34
7	1929	BGA and (computer or camcorder or camara or (celll adj phone))	USPAT; US-PGPUB	2004/05/24 14:34
8	1879	(BGA and (computer or camcorder or camara or (celll adj phone))) and @ad<20030801	USPAT; US-PGPUB	2004/05/24 14:34
9	283	((BGA and (computer or camcorder or camara or (celll adj phone))) and @ad<20030801) and (lead adj frame)	USPAT; US-PGPUB	2004/05/24 14:35
10	238	(((BGA and (computer or camcorder or camara or (celll adj phone))) and @ad<20030801) and (lead adj frame)) and wire	USPAT; US-PGPUB	2004/05/24 14:35

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L Number	Hits	Search Text	DB	Time stamp
1	1	("6310390").PN.	USPAT; US-PGPUB	2004/05/24 11:27
2	4	(bus adj bars) and BGA and (lead adj frame) and wire and (lead adj fingers)	USPAT; US-PGPUB	2004/05/24 11:29
3	117	(bus adj bars) and (lead adj frame) and wire and (lead adj fingers)	USPAT; US-PGPUB	2004/05/24 12:32
4	113	((bus adj bars) and (lead adj frame) and wire and (lead adj fingers)) not ((bus adj bars) and BGA and (lead adj frame) and wire and (lead adj fingers))	USPAT; US-PGPUB	2004/05/24 11:29
5	104	(((bus adj bars) and (lead adj frame) and wire and (lead adj fingers)) not ((bus adj bars) and BGA and (lead adj frame) and wire and (lead adj fingers))) and @ad<20020801	USPAT; US-PGPUB	2004/05/24 12:33
6	41	((((bus adj bars) and (lead adj frame) and wire and (lead adj fingers)) not ((bus adj bars) and BGA and (lead adj frame) and wire and (lead adj fingers))) and @ad<20020801) and (bump or ball or solder)	USPAT; US-PGPUB	2004/05/24 11:29
8	4	(bus adj bars) and (lead adj frame) and wire and (lead adj fingers) and electrodes	USPAT; US-PGPUB	2004/05/24 12:35
9	2	((bus adj bars) and (lead adj frame) and wire and (lead adj fingers) and electrodes) and @ad<20020801	USPAT; US-PGPUB	2004/05/24 12:36
10	56	(lead adj frame) and wire and (lead adj fingers) and electrodes	USPAT; US-PGPUB	2004/05/24 12:35
11	39	((lead adj frame) and wire and (lead adj fingers) and electrodes) and substrate	USPAT; US-PGPUB	2004/05/24 12:36
12	33	(((lead adj frame) and wire and (lead adj fingers) and electrodes) and substrate) and @ad<20020801	USPAT; US-PGPUB	2004/05/24 12:43
14	1	("6271056").PN.	USPAT; US-PGPUB	2004/05/24 12:44
15	1	("6020629").PN.	USPAT; US-PGPUB	2004/05/24 12:45

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L Number	Hits	Search Text	DB	Time stamp
1	486	(lead adj frame) and die and wire and (ball or solder or bump) and (lead adj fingers)	USPAT; US-PGPUB	2004/05/21 17:18
2	50	(((lead adj frame) and die and wire and (ball or solder or bump) and (lead adj fingers)) and chip) and (bus adj bars)	USPAT; US-PGPUB	2004/05/21 17:18
3	48	((((lead adj frame) and die and wire and (ball or solder or bump) and (lead adj fingers)) and chip) and (bus adj bars)) and @ad<20030801	USPAT; US-PGPUB	2004/05/21 17:15
4	18	(lead adj frame) and die and wire and (ball or solder or bump) and (lead adj fingers)	EPO; JPO; DERWENT; IBM_TDB	2004/05/21 17:15
6	18	(lead adj frame) and die and wire and (ball or solder or bump) and (lead adj fingers)	EPO; JPO; DERWENT; IBM_TDB	2004/05/21 17:18

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US-PAT-NO: 6373447

DOCUMENT-IDENTIFIER: US 6373447 B1

TITLE: On-chip antenna, and systems
utilizing same

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Detailed Description Text - DETX (111):
   FIG. 15 is a schematic block diagram of an entertainment
system according to
the present invention. The entertainment system 1500 may
be comprised of the
following component subsystems: a high definition
television (HDTV) 1502, a
stereo 1504, a video cassette recorder (VCR) 1506, a
television camera/recorder
(**Camcorder**) 1508, a digital audio tape unit (DAT) 1510, a
compact disk player
(CD) 1512, a VHF/UHF tuner 1514, a direct broadcast
satellite (DBS) decoder
1516, and a cable decoder 1518. These component subsystems
are made up of SCM,
MCM, BLP and boxes as disclosed above.

Detailed Description Text - DETX (112):
   The DBS decoder 1516 receives a digitally encoded and
forward error
corrected signal from a dish antenna (not illustrated)
which receives a DBS
entertainment signal from a geosynchronous satellite (see
FIG. 16). Hardwired
cable is connected to the cable decoder 1518 which decodes
and converts the
cable entertainment channels to signals for viewing on the
HDTV 1502 or a
standard television (not illustrated). Standard broadcast
television and
stereo signals may be received by the VHF/UHF tuner 1514
and the base band
signals made available to the HDTV 1502, stereo 1504 and
the other recording

devices (VCR 1506, DAT 1510). Similarly, recorded entertainment information
may be played on the HDTV 1502 and stereo 1504 from the playback devices OAT
1510, **Camcorder** 1508, CD 1512, VCR 1506) for viewing and listening enjoyment by
the user.